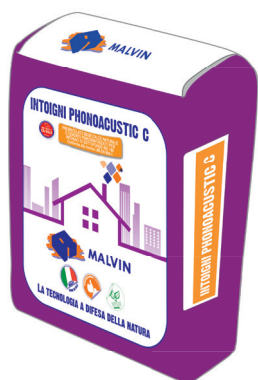




INTOIGNI PHONOACUSTIC C



PLASTER FOR THE ACOUSTIC INSULATION Compliant with UNI EN 998-1

DESCRIPTION

It is a premixed lightened plaster with high acoustic insulation based on hydraulic binders and light mineral aggregates, for internal and external base coat plasters for the noise reduction, with an high and constant quality level produced with an automated system, to apply by hand or by mechanical projection.

COMPOSITION

Hydraulic binders, perlite, vermiculite, selected calcareous aggregates with max. grading of mm 1,3 and natural additives tested for the specific use which give to the product a very high adhesion and workability. Contains no synthetic fibers.

FEATURES

An accurate and selective choice of the main materials made with a perfect grading curve, thanks to the use of our own crush system, produce just adding water a mortar very plastic and easily workable. Used as plaster can be applied directly on all the surfaces. No cracks, no detachment, it's breathable and impact resistant. Contains no toxic elements for the security of the operator.

USE

INTOIGNI PHONOACUSTIC C is a lightened plaster that allow the acoustic correction of churches, recording studios, cinemas, theaters, etc.; reduces the noise level of industrial factories, rooms used for phone conversations, restaurants, offices, etc.; complies with Ministerial Circular N° 3150 about the right reverberation time for classrooms and gyms. To apply by hand or mechanically, directly on interiors and exteriors made of brick, brick and cement, old masonries, concrete, reinforced concrete, slabs in reinforced brick, etc.

APPLICATION

- Prepare the walls and the ceilings removing all the crumbling and inconsistent parts; and dusts, mud, bitumen, oil stains, etc.
- To wet, beforehand, particularly absorbent or dry or exposed to hot climate walls;
- To mix by hand, in a cement mixer or with a mixer at low speed, till when the mixture isn't homogeneous; with a plaster sprayer regulating the flow-meter until when the density isn't perfect.
- INTOIGNI PHONOACUSTIC C must be applied on walls and ceilings, by hand or mechanically, leveling then with an aluminum level staff. Additional product on the defective walls and final leveling with aluminum level staff. After the application of PHONOACUSTIC is necessary to sponge the surface to make it uniform with a specific sponge float and after wetting with water or "grate it" to make it suitable to receive the following finish.
- INTOIGNI PHONOACUSTIC C can be applied at different thicknesses; is recommended for just one application not to exceed cm 1 ÷ 1,5, in case of more applications wait for 2 hours at least before applying the following coat.
- The minimum thickness of the finished product doesn't have to be lower to cm 2.
- With high temperatures, wind and low humidity, is recommended to protect from the quick dry moistening the substrates.
- Apply on reinforced concrete substrates previously treated with bonding mortar "INTOAGGRAPPO".
- Apply on substrates in tuff, stones, mixed masonries, treated beforehand with "INTOBETON/R".
- On foamed concrete blocks prepare in advance with the bonding mortar "INTOAGGRAPPO".
- To apply on very smooth reinforced concrete substrates previously treated with the adhesion promoter "ANCOMUR".
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply with strong wind or in very sunny days.
- Don't apply until when the substrate isn't completely dried.
- Don't apply on inconsistent and friable substrates.
- Don't apply on gypsum substrates, synthetic coatings or paints.
- Don't apply with driving rain.
- Don't add any other material to the product.
- We suggest to apply INTOIGNI PHONOACUSTIC C with a temperature between + 5 ° C and + 30 ° C.



INTOIGNI PHONOACUSTIC C



YIELD

5,5/6,5 kg/mq for each cm of thickness.

PACKAGING

Multi-ply paper sacks with protection of kg.13 on wood pallets of 7,80 ql. (60 sacks).

TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 998-1

Water content of the mix	~15-20%
Grading EN 1015-1	$\leq 1,3 \text{ mm}$
Specific Weight EN 1015-10	$380 \text{ kg/m}^3 \pm 10\%$
Plastic shrinkage in cond. Termoigr. Standard	Absent
Workability time EN 1015-9	2 hours
Compressive strength after 28 days EN 1015-11	$2,5 \text{ N/mm}^2$ (category CS II)
Flexural strength after 28 days EN 1015-11	$1,2 \text{ N/mm}^2$
Adhesion on brick EN 1015-12	$0,4 \text{ N/mm}^2$ FP: A
Water vapor diffusion resistance factor EN 1015-19	$\mu = 8$
Thermal conductivity coefficient EN 1745 p.A.12	$\lambda_{10, \text{dry, mat}} = 0,10 \text{ W/mK}$
Sound absorption coefficient beyond 500 Hz	$\alpha = 0,65$
Water abs. coeff. due to capillary action EN 1015-18	Class "W0"
Fire reaction EN 998-1	Class "A1"
Durability	NPD
Toxicity - Regulation CE 1272/08	Danger
Classification UNI EN 998-1:2010	LW-CSII-W0/DOP nr. 174
Fire resistance compliant with 16/02/2007 D.M.	REI 120

SUMMARY

The acoustic treatment of walls and floors will be realized through application of a lightened plaster with an high acoustic insulation based on hydraulic binders, perlite and vermiculite, type "INTOIGNI PHONOACUSTIC C" produced by MALVIN S.r.l., applied by hand or mechanically and to mix just adding water, with a consumption of 5,5/6,5 kg/mq for each cm of thickness and a compressive strength after 28 days of $2,5 \text{ N/mm}^2$ (category CS II).

The performance characteristics refer to laboratory tests, values depend on the weather conditions and on the methods of implementations. The operator must verify the suitability of the product depending on the use planned.



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